

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
4 December 2003 (04.12.2003)

PCT

(10) International Publication Number
WO 03/099044 A1

(51) International Patent Classification⁷: A24B 7/14, 7/12

(21) International Application Number: PCT/PL02/00106

(22) International Filing Date:
19 December 2002 (19.12.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
P 353 760 8 May 2002 (08.05.2002) PL

(71) Applicant (for all designated States except US): **INTERNATIONAL TOBACCO MACHINERY POLAND LTD.** [PL/PL]; ul. Warsztatowa 19a, P.O. Box 113, PL-26-600 Radom (PL).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **CHOJNACKI, Wojciech, Jerzy** [PL/PL]; ul. Pamieci Katynia 12a m.22, PL-26-600 Radom (PL).

(74) Agent: **RACHUBIK, Irena**; Patpol Ltd., ul. Nowoursynowska 162J, PL-02-776 Warszawa (PL).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

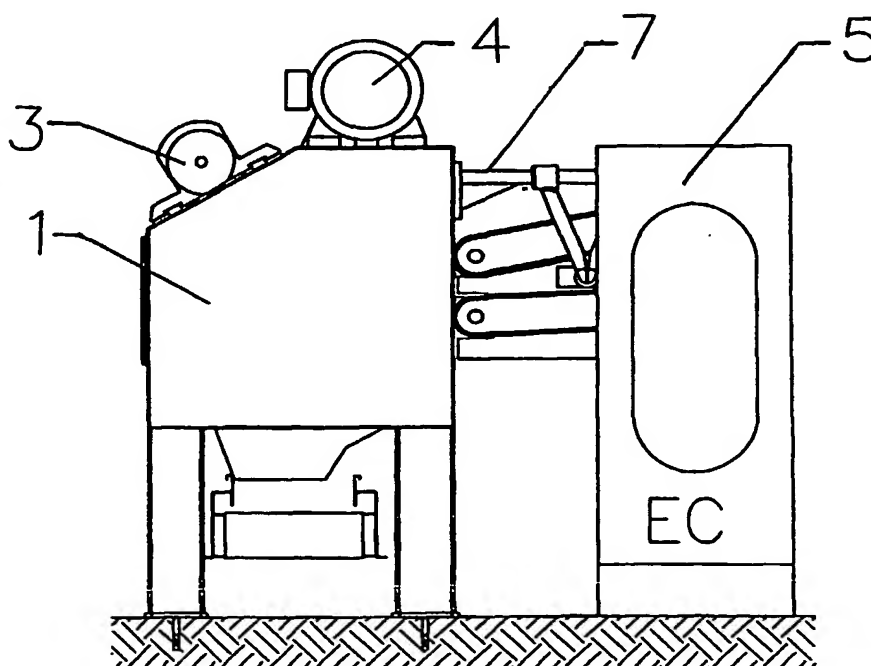
— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for all designations

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: CUTTING MACHINE FOR ORGANIC PLANT MATERIALS, ESPECIALLY FOR TOBACCO



(57) Abstract: The invention relates to a cutting machine for organic plant materials, especially for tobacco, which comprises a cutting head mounted inside a main frame, and a feeding-compacting arrangement frame forming a stream of the fed material, comprising transporters feeding the material into a cutting zone, and means for compacting and/or polarizing relative distribution of fed particles. The cutterhead (2) of the cutting machine is mounted in a stationary main frame (1) fixed preferably to the floor, and the feeding-compacting arrangement frame (5) is moved along the horizontal guides (7). The cutting head (2) is a cutterhead with the main axis of rotation being horizontal.

WO 03/099044 A1

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 02/00106

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A24B7/14 A24B7/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A24B B26D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, PAJ, EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 89 11803 A (GBE INTERNATIONAL PLC) 14 December 1989 (1989-12-14) the whole document	1,2
A	GB 694 375 A (KÖRBER) 22 July 1953 (1953-07-22) the whole document	1,2
A	DE 100 21 614 A (HAUNI MASCHINENBAU AG) 8 November 2001 (2001-11-08) cited in the application the whole document	1-3



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

*** Special categories of cited documents:**

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

13 May 2003

Date of mailing of the international search report

20/05/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Riegel, R

INTERNATIONAL SEARCH REPORT

information on patent family members

International Application No

PCT/PL 02/00106

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 8911803	A	14-12-1989	DE 68903164 D1	12-11-1992
			DE 68903164 T2	11-02-1993
			EP 0377029 A1	11-07-1990
			WO 8911803 A1	14-12-1989
			JP 2504584 T	27-12-1990
			JP 2859671 B2	17-02-1999
			US 5012824 A	07-05-1991
GB 694375	A	22-07-1953	NONE	
DE 10021614	A	08-11-2001	DE 10021614 A1	08-11-2001
			CN 1322499 A	21-11-2001
			EP 1151680 A2	07-11-2001
			JP 2002011642 A	15-01-2002
			PL 347304 A1	05-11-2001
			US 2002005098 A1	17-01-2002